

Amendments to the Specification:

Please replace the paragraph beginning at page 11, line 8 with the following amended paragraph:

A representative example of program code (i.e., machine-executable instructions) to implement process 62 is the following code using ~~MATLAB~~ MATLAB®:

Please replace the paragraph beginning at page 16, line 8 with the following amended paragraph:

A representative example of program code (i.e., machine-executable instructions) to implement principal components process 64 is the following code using ~~MATLAB~~ MATLAB®:

Please replace the paragraph beginning at page 18, line 21 with the following amended paragraph:

A representative example of program code (i.e., machine-executable instructions) to implement waveform reconstruction process 66 is the following code using ~~MATLAB~~ MATLAB®: